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What is Claimed:

1. A system configured to distribute liquid flow into predetermined proportions, said system comprising:

a distributor defining a plurality of distributor outlets configured to deliver liquid from said distributor; and

a receptacle positioned to receive liquid, said receptacle defining a plurality of receptacle outlets oriented to deliver liquid portions toward said distributor outlets;

said receptacle being self-leveling such that liquid is divided by said receptacle outlets into predetermined proportions.

2. The system recited in claim 1, wherein each said receptacle outlet comprises an orifice, passageway, weir, notch, or conduit.

3. The system recited in claim 1, further comprising means for self-leveling said receptacle such that liquid is divided by said receptacle outlets into predetermined proportions.

4. The system recited in claim 3, said self-leveling means being selected from the group consisting of a float, a support, and a suspension member.

5. The system recited in claim 1, said distributor comprising means for defining chambers configured to receive liquid from said receptacle.

6. The system recited in claim 5, said defining means comprising one or more of a wall, a divider, and a compartment.

7. The system recited in claim 1 wherein said system is configured to restrict movement of said receptacle with respect to said distributor, thereby maintaining orientation of said receptacle outlets to deliver liquid portions toward said distributor outlets.

8. The system recited in claim 1, wherein a liquid portion from one of said receptacle outlets collects in an interior of said distributor.

9. The system recited in claim 8, wherein said receptacle outlets reside in a plane substantially parallel to the level of liquid collected in said interior of said distributor.

10. The system recited in claim 8 further comprising at least one float coupled to said receptacle to level said receptacle by action of buoyancy of said float in contact with liquid collected in said interior of said distributor.

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11. The system recited in claim 10, wherein said buoyancy provided by said float maintains said receptacle horizontally level when said distributor is not level.

12. The system recited in claim 8, further comprising means for suppressing movement of liquid collected in said interior of said distributor as said distributor moves.

13. The system recited in claim 12, wherein said suppressing means comprises one or more of an orifice, a baffle, or a porous medium.

14. The system recited in claim 4, wherein said distributor defines an interior to receive liquid and a liquid portion from one of said receptacle outlets collects in said interior of said distributor, said system further comprising:

at least one float coupled to said receptacle to level said receptacle by action of buoyancy of said float in contact with liquid collected in said interior of said distributor, wherein said buoyancy provided by said float maintains said receptacle horizontally level when said distributor is not level such that liquid is divided by said receptacle outlets into predetermined proportions.

15. The system recited in claim 7, wherein a surface associated with said receptacle is positioned to contact a surface associated with said distributor, thereby restricting movement of said receptacle with respect to said distributor.

16. The system recited in claim 15 further comprising a float coupled to said receptacle, said float being positioned to contact said surface associated with said distributor.

17. The system recited in claim 15 further comprising a surface of said distributor at least partially defining a chamber, said chamber surface being positioned to contact said surface associated with said receptacle.

18. The system recited in claim 1, wherein said receptacle is pivotally mounted for movement with respect to said distributor.

19. The system recited in claim 18, said receptacle being configured to remain horizontally level by the force of gravity when said distributor is not level.

20. The system recited in claim 19, said receptacle having a central portion that is upwardly convex.

21. The system recited in claim 4, further comprising:

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a support coupled to said distributor, said receptacle being pivotally mounted to said support for movement with respect to said distributor, said receptacle being configured to remain horizontally level by the force of gravity when said distributor is not level such that liquid is divided by said receptacle outlets into predetermined proportions.

22. The system recited in claim 21, wherein said receptacle is coupled to said support so as to limit movement of said receptacle with respect to said distributor to maintain orientation between said receptacle outlets and said distributor outlets.

23. The system recited in claim 1, wherein said receptacle is pivotally suspended for movement with respect to said distributor.

24. The system recited in claim 23, wherein said receptacle is pivotally suspended so as to limit movement of said receptacle with respect to said distributor to maintain orientation between said receptacle outlets and said distributor outlets.

25. The system recited in claim 23, said receptacle being configured to remain horizontally level by the force of gravity when said distributor is not level.

26. The system recited in claim 4, wherein said receptacle is pivotally suspended with respect to said distributor, said receptacle being configured to remain horizontally level by the force of gravity when said distributor is not level such that liquid is divided by said receptacle outlets into predetermined proportions.

27. The system recited in claim 26, said distributor comprising means for defining chambers configured to receive liquid from said receptacle.

28. The system recited in claim 27, said defining means comprising one or more of a wall, a divider, and a compartment.

29. A method for distributing liquid flow into predetermined proportions, said method comprising the steps of:

supplying liquid to a receptacle;

delivering liquid from the receptacle through a plurality of receptacle outlets and toward outlets of a distributor; and

self-leveling the receptacle with respect to the distributor such that liquid is divided by the receptacle outlets into predetermined proportions.

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30. A method for configuring a liquid distributor to distribute liquid flow into predetermined proportions according to claim 29, said method comprising the steps of:

positioning the receptacle to receive liquid;

orienting outlets of the receptacle to deliver liquid toward outlets of the liquid distributor; and

configuring the receptacle for movement and self-leveling with respect to the liquid distributor such that liquid is divided by the receptacle outlets into the predetermined proportions.

31. The method recited in claim 29 further comprising the step of collecting liquid in an interior of the distributor.

32. The method recited in claim 31, wherein said self-leveling step further comprises maintaining the receptacle outlets in a plane substantially parallel to the level of liquid present in the interior of the distributor.

33. The method recited in claim 31, wherein said self-leveling step comprises floating the receptacle on liquid in the distributor, thereby maintaining the receptacle horizontally level when the distributor is not level.

34. The method recited in claim 30, wherein a portion of liquid collects in the interior of the liquid distributor, said method further comprising the step of positioning one of the distributor outlets to receive overflow from the interior of the distributor.

35. The method recited in claim 34, wherein said configuring step further comprises coupling at least one float to the receptacle to level the receptacle by action of buoyancy of the float in contact with liquid in the interior of the distributor.

36. The method recited in claim 34, further comprising the step of configuring the distributor to suppress movement of liquid in the interior of the distributor.

37. The method recited in claim 36, said configuring step comprising the installation of one or more of an orifice, a baffle, or a porous medium to suppress the movement of the liquid in the interior of the distributor.

38. The method recited in claim 29 further comprising the step of:

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restricting movement of the receptacle with respect to the distributor, thereby maintaining orientation of the receptacle outlets to deliver liquid portions toward the distributor outlets.

39. The method recited in claim 38, said self-leveling step comprising floating the receptacle on liquid in the distributor, and said restricting step comprising contacting a surface of a float or a surface of the receptacle to a surface of the distributor.

40. The method recited in claim 29, wherein said self-leveling step comprises balancing the receptacle with respect to a support coupled to the distributor, thereby maintaining the receptacle level when the distributor is not level.

41. The method recited in claim 30, said configuring step comprising coupling the receptacle to a support such that the force of gravity maintains the receptacle horizontally level when the distributor is not level.

42. The method recited in claim 29, wherein said self-leveling step comprises suspending the receptacle with respect to the distributor, thereby maintaining the receptacle level when the distributor is not level.

43. The method recited in claim 30, said configuring step comprising suspending the receptacle with respect to the distributor such that the force of gravity maintains the receptacle horizontally level when the distributor is not level.